IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.:

To be assigned

Filing Date:

Herewith

Applicant:

Kenji UCHIYAMA

Group Art Unit:

2871

Examiner:

NGUYEN, DUNG T

Title:

CONNECTING STRUCTURE, LIQUID CRYSTAL DEVICE,

ELECTRONIC EQUIPMENT, AND ANISOTROPIC CONDUCTIVE ADHESIVE AGENT AND A MANUFACTURING METHOD

THEREOF

Attorney Docket:

9319S-000075/DVA

Director of the United States Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant hereby submits an Information Disclosure Statement for consideration by the Examiner.

I. <u>LIST OF PATENTS, PUBLICATIONS, AND OTHER INFORMATION</u>

The patents, publications and other information requested to be considered by the Office (except unpublished U.S. patent applications) are listed on Form 1449 attached hereto.

II. <u>COPIES</u>

A. Submitted herewith is a legible copy of (i) each U.S. patent application
publication and U.S. and foreign patent; (ii) each publication or that portion which
caused it to be listed; (iii) for each cited pending U.S. application, the application
specification including the claims, and any drawing of the application which
caused it to be listed including the claims directed to that portion; and (iv) al
other information or that portion which caused it to be listed.

B. X Any patents, publications or other information which are listed on Form 1449 or on the copies of PTO-892, but which are not enclosed herewith, were

previously cited by or submitted to the PTO in one of the following applications which has been relied upon for an earlier filing date under 35 U.S.C. § 120:

<u>U.S. Serial Number</u> 09/171,924		<u>U.S. Filing Date</u> 10/27/1998
no copies of the U.S. pat isted on the attached Fo	ents or U.S. patent appli orm 1449 are enclosed p ny foreign patent docum	ing filed after June 30, 2003, cation publications which are bursuant to the waiver of 37 nents or non-patent literature with.
States. A copy of the Intention of the Intention on the attached Form-144 any patent resulting from the US, EPO, controlled have been supplied	ernational Search Report into listed on the International of the Internation of this application. Since the or JPO search authorities of the USPTO under the the above-identified application.	National Phase in the United is attached for the Examiner's onal Search Report are listed e Examiner and for listing one International Search Reports, copies of these references e trilateral agreement and are ication. (MPEP 1893.03(g))
A. Except as may be	e indicated below in (B), a	all of the patents, publications ge (concise explanation no
B A concise explaint other information listed the C.F.R. § 1.98(a)(3)):	nation of the relevance o at is not in the English la	of each patent, publication of inguage is as follows (see 37
counterpart fo	tached foreign patent o preign application: slations are provided:	ffice communication from a
CThe following acconsideration.	dditional information is	provided for the Examiner's
CROSS REFERENCE TO	RELATED APPLICATIO	N(S)
contain(s) subject matter	that may be related to lication(s) to the Exam	ng co-pending application(s) the present application. By iner's attention, Applicant(s) 35 U.S.C. § 122.
Serial No.	Filing Date	Art Unit

111.

IV.

THIS IDS IS BEING FILED UNDER V. **37 C.F.R. § 1.97(b)**: (check <u>only</u> one box) 1. ____ within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d) (37 C.F.R. § 1.97(b)(1)). No fee or certification is required. 2. ____ within three months of the date of entry of the national stage as set forth in §1.491 in an international application (37 C.F.R. § 1.97(b)(2)). No fee or certification is required. before the mailing of a first Office Action on the merits (37 C.F.R. § 1.97(b)(3)). No fee or certification is required. In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. § 1.97(c) and see the certification under 37 C.F.R. § 1.97(e) below; or, if no certification has been made, charge our deposit account a fee in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p). 4. ____ before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No fee or certification is required. B. **37 C.F.R. § 1.97(c)**: (check <u>only</u> one box) before the mailing date of either any Final Office Action under 37 C.F.R. § 1.113, a Notice of Allowance under 37 C.F.R. § 1.311, or an action that otherwise closes prosecution. 1. ____No certification; therefore, a fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p). 2. ____See the certification below. No fee is required.

C. ____37 C.F.R. § 1.97(d):

after the mailing date of either a Final Office Action under 37 C.F.R. § 1.113 or a Notice of Allowance under 37 C.F.R. § 1.311, yet on or before payment of the issue fee.

1. ____See the certification below. A fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).

VI. CERTIFICATION UNDER 37 C.F.R. § 1.97(e): (check only one box)

The undersigned hereby certifies that:

	A each item of information contained in this IDS was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(1)). See further statement under 37 C.F. R. 1.704(d) below in section VII, if applicable; or
	B no item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(2)).
	CSome of the items of information were first cited in a communication from a foreign patent office. As to this information, the undersigned hereby certifies that each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby certifies that no item of this remaining information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS.
VII.	STATEMENT UNDER 37 CFR 1.704(d)
	The undersigned hereby states that:
	each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this IDS.
VIII.	PAYMENT OF FEES (check only one box)
	A A check in the amount of \$180.00 is enclosed for the above-identified fee.
	BPlease charge Deposit Account No. 08-0750 in the amount of \$180.00 for the above-indicated fee. A duplicate copy of this paper is attached.
anv a	The above references are being cited only in the interest of candor and without dmission that they constitute statutory prior art, contain matter which anticipates

the invention, or which would render the same obvious, either singly or in combination, to a person of ordinary skill in the art. Furthermore, this Information Disclosure Statement shall not be construed as a representation that a search has been made.

If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule (with a petition if necessary) and charge the appropriate fee to Deposit Account No. 08-0750.

Please charge any additional fees or credit any overpayment pursuant to 37 C.F.R. § 1.16 or § 1.17 to Deposit Account No. 08-0750.

Respectfully submitted,

7. Gregory S Reg. No. 27.

Dated: Nor 4, 2003

HARNESS, DICKEY & PIERCE, P.L.C. P.O. Box 828
Bloomfield Hills, Michigan 48303 (248) 641-1600

GGS/slm

FORM HDP-1449 (Based on Form PTO-1449)

PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Sheet 1 of 2

SERIAL NO.
to be assigned
GROUP
2871

U.S. PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
1.		5,644,373	7/1997	Furushina et al	349	158
2.		6,042,894	3/2000	Goto et al	427	504

FOREIGN PATENT DOCUMENTS							
Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translatio Yes	n * No
1.		9-161543	6/20/1997	Japan			
2.		8-279371	10/22/1996	Japan			<u>_</u>
3.		8-316625	11/29/1996	Japan			
4.		JP625627	2/1/1994	Japan			
5.		JP4366630	12/18/1992	Japan			ļ
6.		JP462714	2/27/1992	Japan			
7.		JP8188760	7/23/1996	Japan			
8.		JP7197001	8/1/1995	Japan			

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)				
Ref. Desig.	Examiner's Initials			
1.				

Examiner:	Date Considered:

^{*} One or more of the English translation documents submitted herewith may be Abstracts only or partial machine created translations from the Japanese Patent Office. As such, the submitter does not necessarily vouch for their accuracy. Additional information may be obtained from the Japanese Patent Office web site at www.ipo.go.ip.